

Are you a Witch / Wizzard or are you not?

With the increase of magic in the Muggle media, it is harder and harder to identify Wizzards and Witches vs Muggles. How can the Ministry of Magic identify Witches and Wizzards vs Muggles?

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Ministry of Magic Survey

Questions

- 1. What is your Hogwarts House and what are its characteristics?
- 2. What is the meaning behind your Patronus Charm?
- 3. What animal would take to Hogwarts and why?
- 4. If you could start a new Hogwarts House, what would you name it and what whould be its colors and characteristics?
- 5. What does your Boggart show before and after you have cast the Riddikulus charm?
- 6. Which Deathly hallow would you want and why?
- 7. Are you a Witch/Wizzard?**





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TF-IDF

Are you a Witch/Wizzard?

no

Select minimum number of count

2

3

8

2

3

4

5

6

7

8

guess

question

dog

nice

0.0

2.5

n

5.0

7.5





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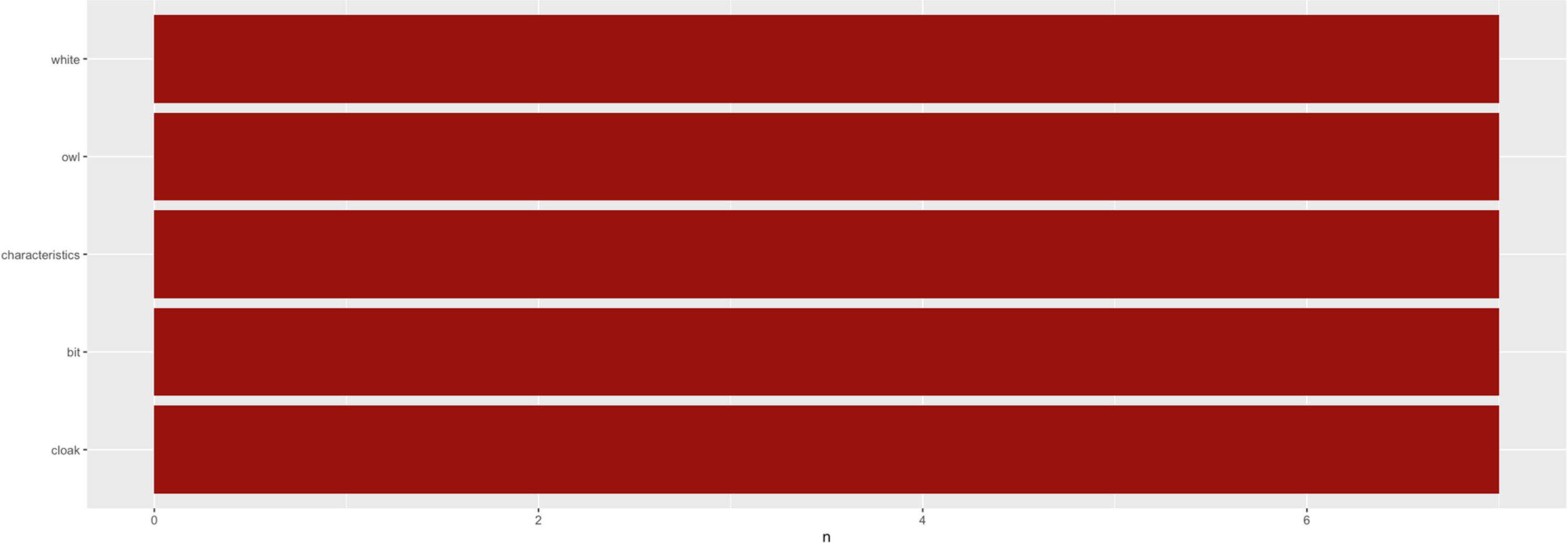
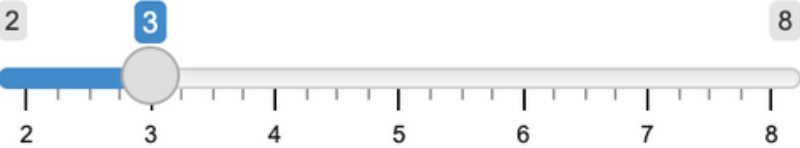
Token Frequency

TF-IDF

Are you a Witch/Wizzard?

yes

Select minimum number of count



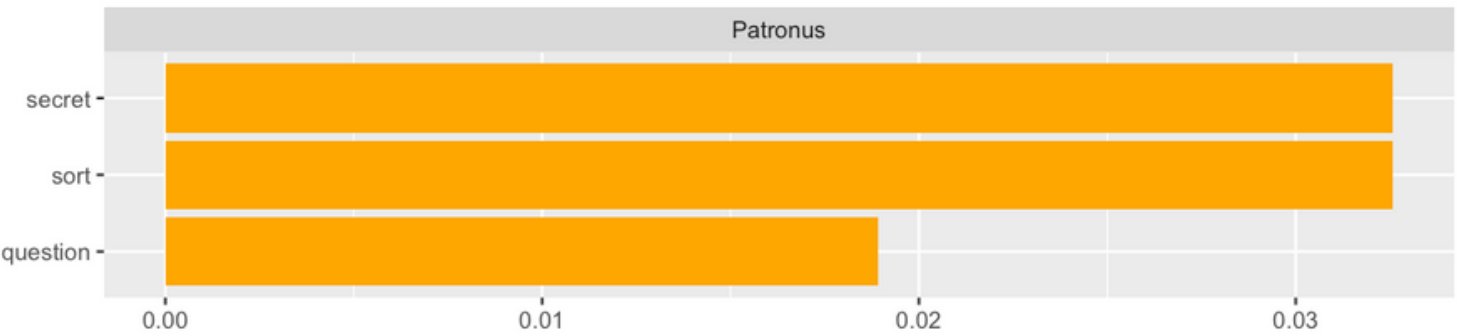
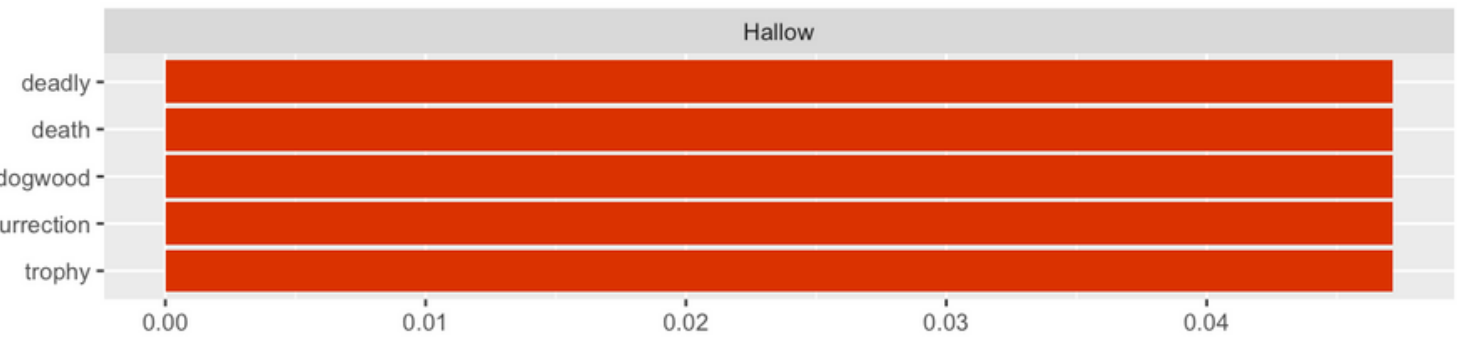
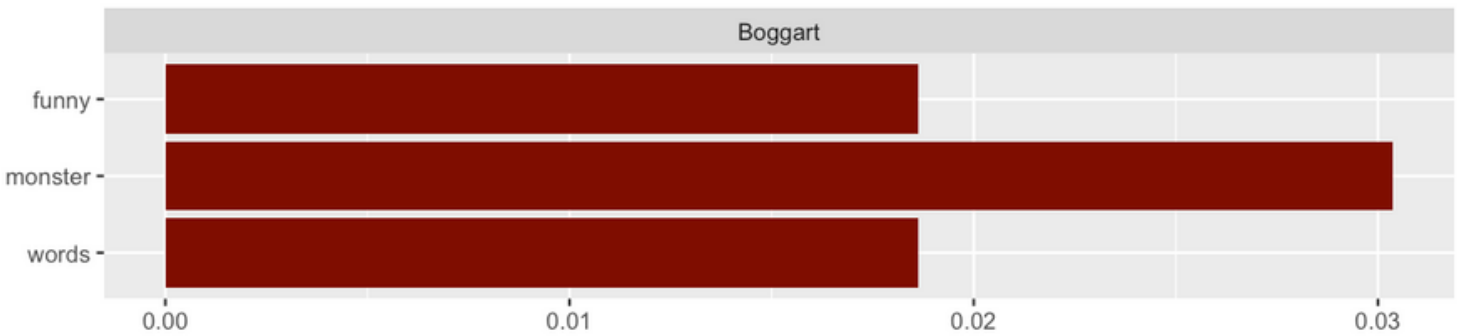
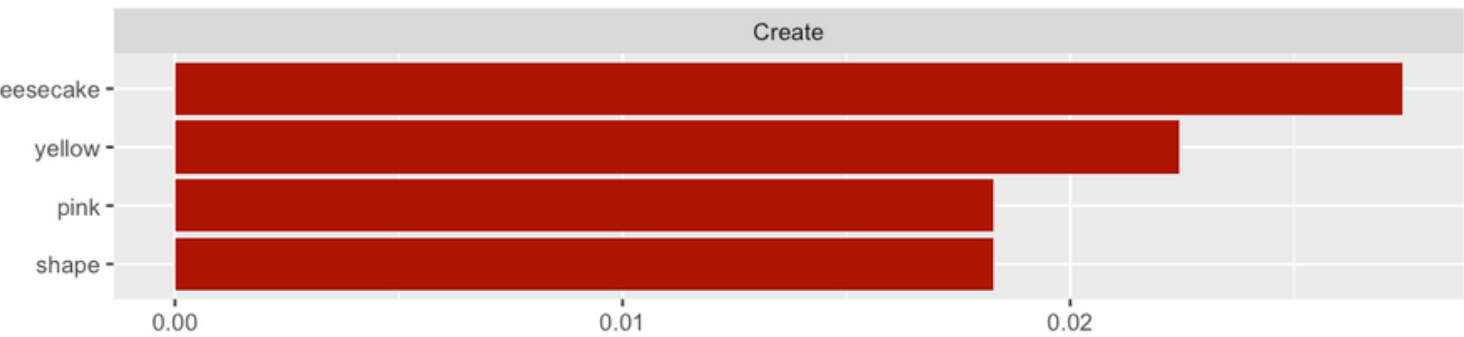
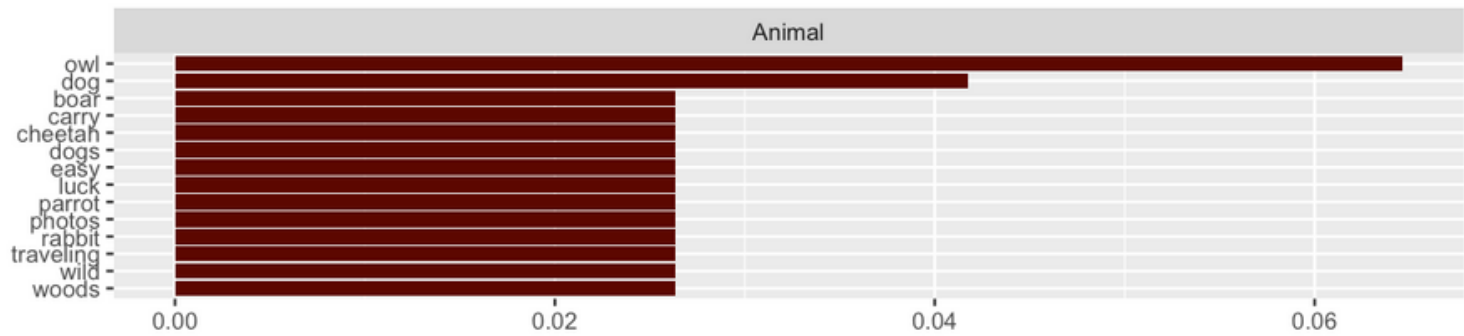
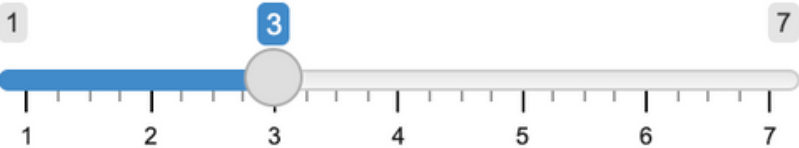
Token Frequency

TF-IDF

Are you a Witch/Wizzard?

no

Select max number of words



tf-idf

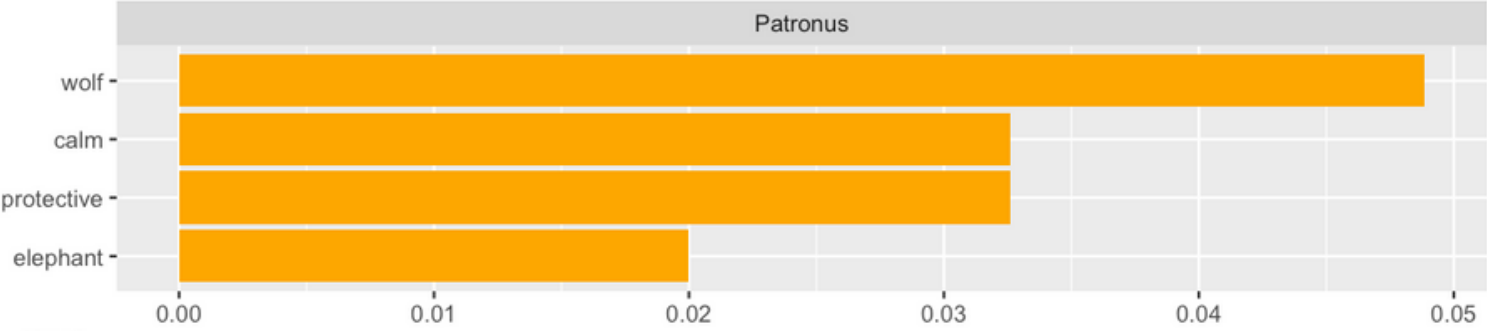
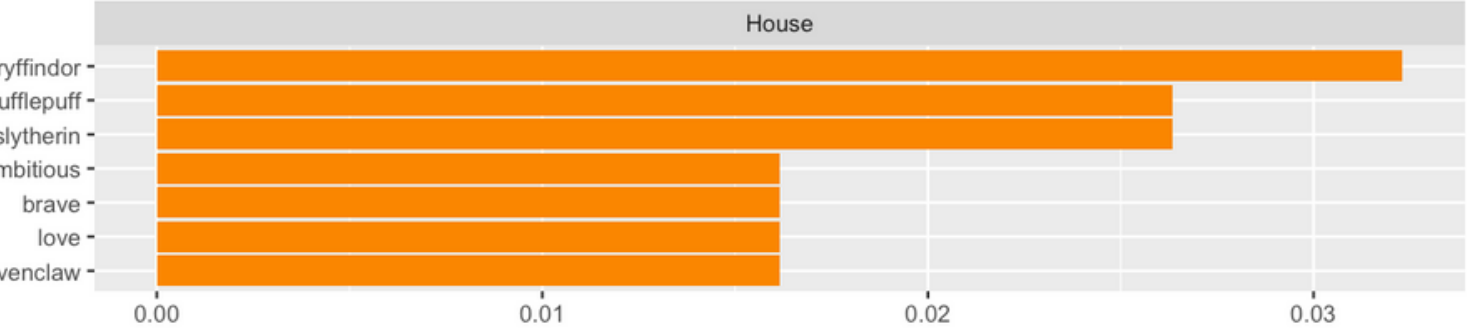
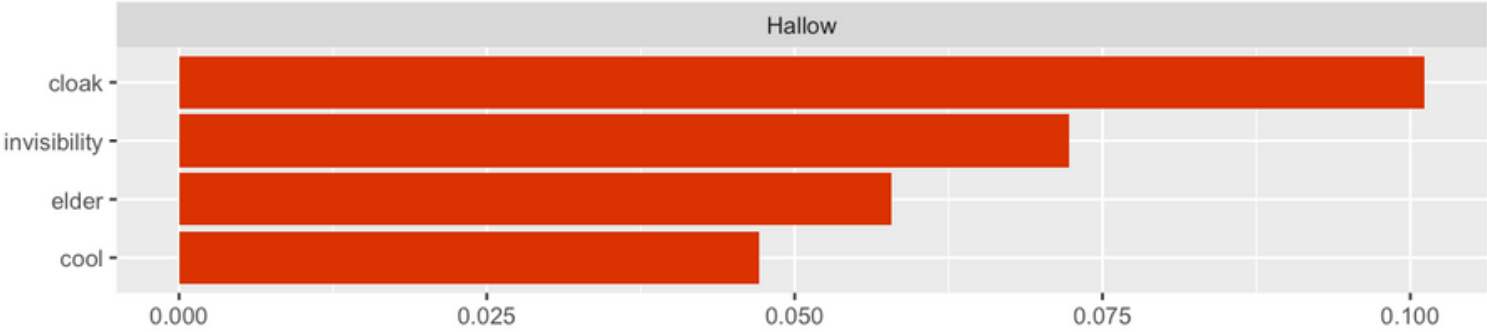
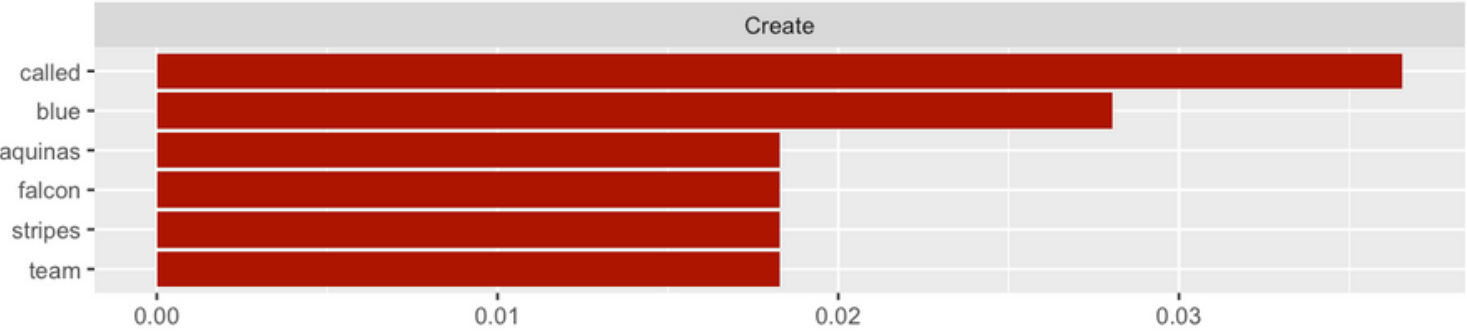
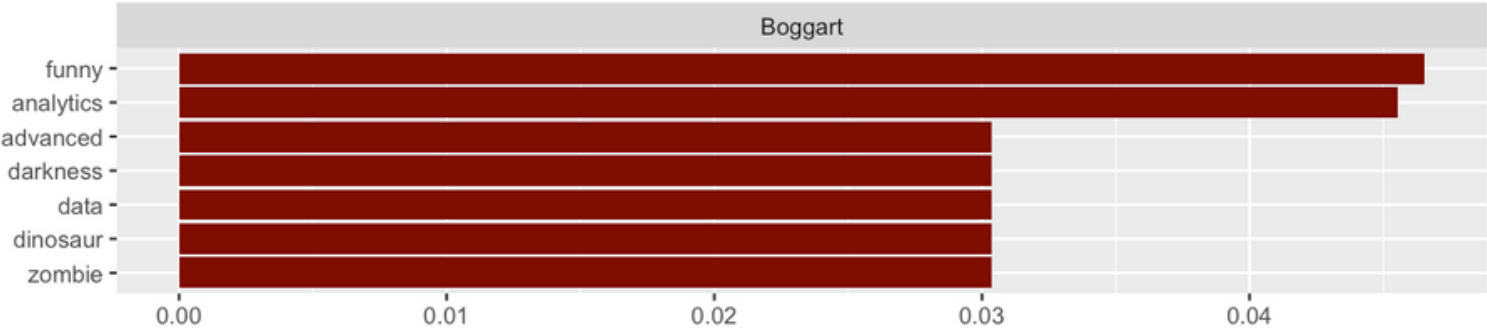
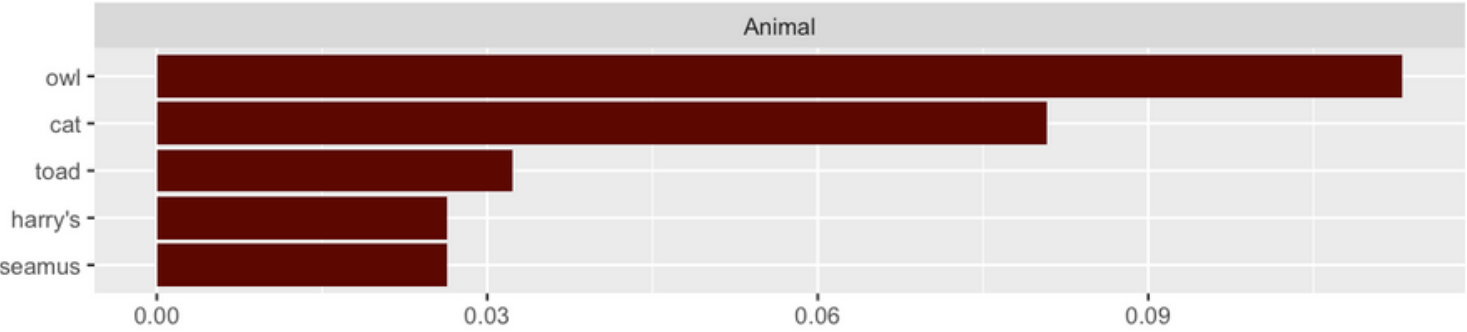
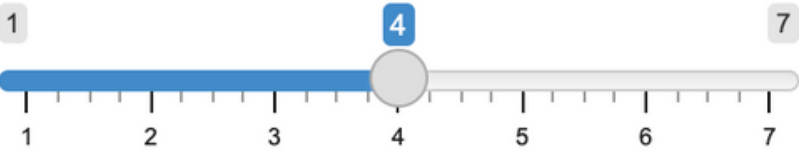
Token Frequency

TF-IDF

Are you a Witch/Wizzard?

yes

Select max number of words



tf-idf



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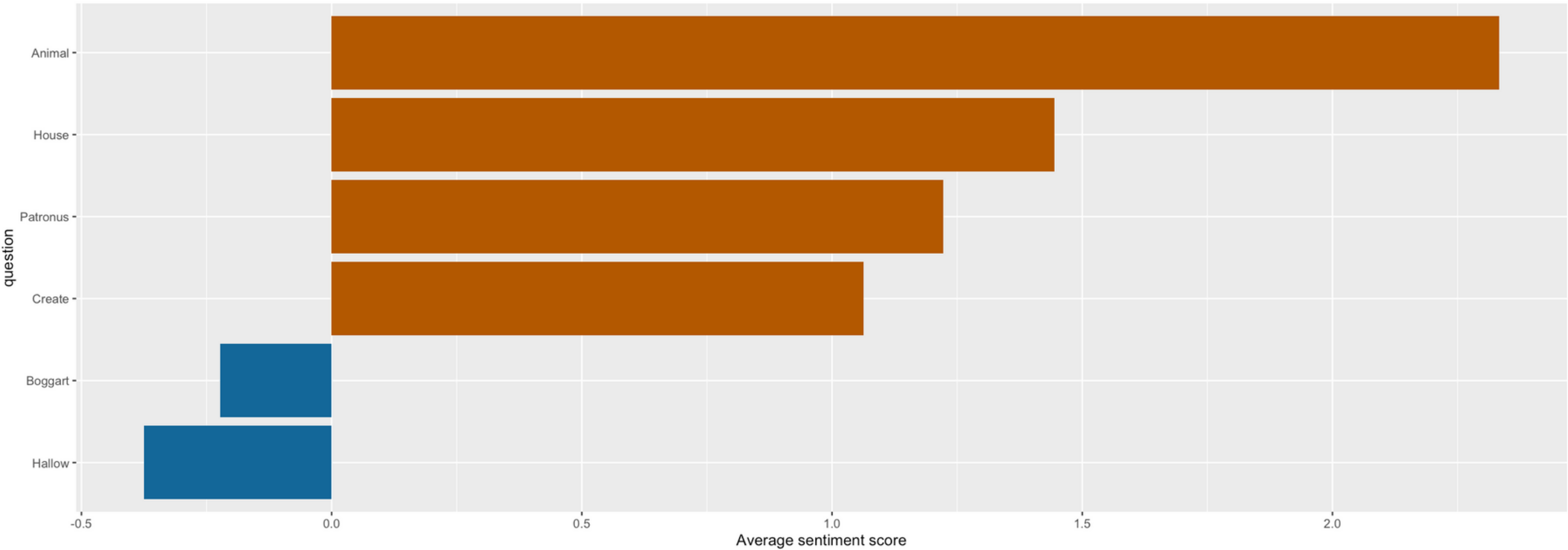
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Are you a Witch/Wizzard?

no





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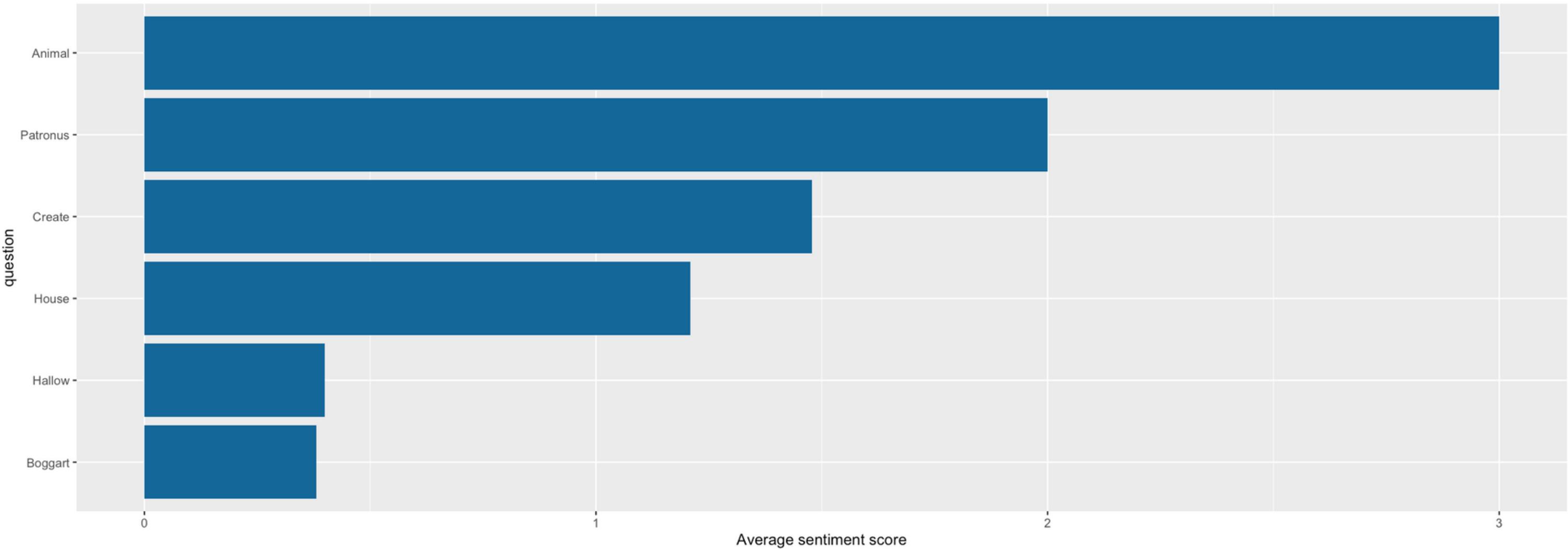
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AFINN

Are you a Witch/Wizzard?

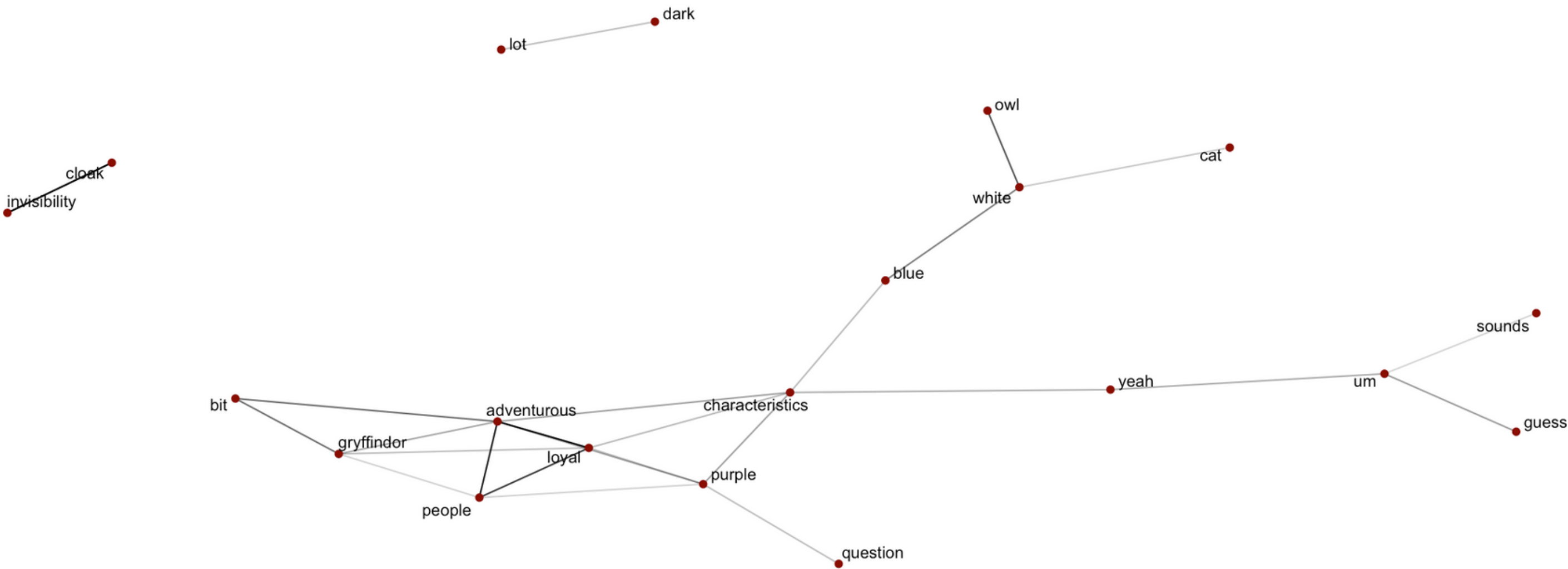
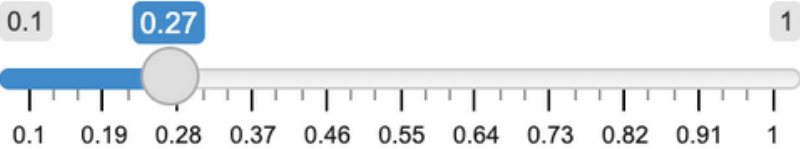
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Networks

Correlated words

Select minimum correlation





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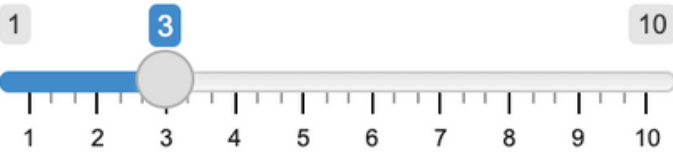
Correlation

Conclusion

Networks

Correlated words

Select maximum results



Choose first word to visualize

invisibility

Choose second word to visualize

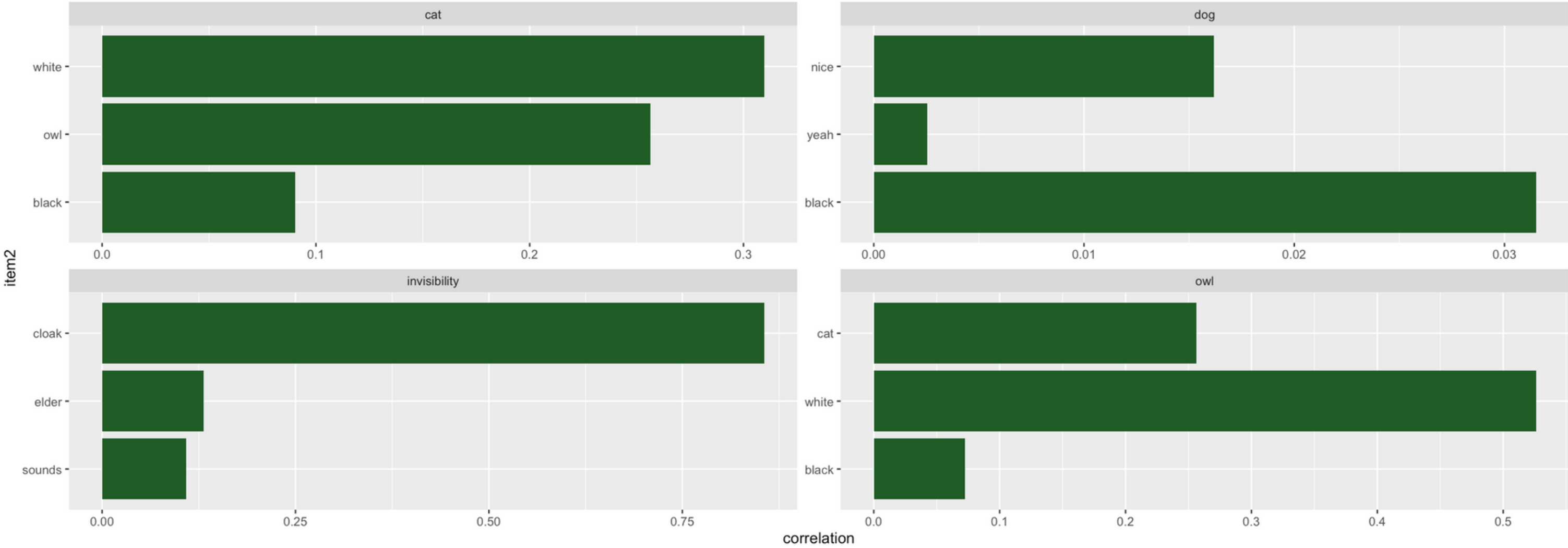
cat

Choose third word to visualize

dog

Choose fourth word to visualize

owl





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Prediction

Questions

Conclusion

We have seen that with the help of the questions, we can already find trends between Witches / Wizzards and Muggles. Witches and Wizzards can in a way correctly answer the questions, whereas Muggles will just give an random answer that they feel might be correct.

Survey_ID	Actual	Prediction
Survey 18	No	No
Survey 19	No	No
Survey 20	Yes	Yes
Survey 21	Yes	Yes

We have taken the last 4 serveys and see if based on the answers we could correctly predict and identify Witches and Wizzards vs Muggles. The prediction was 100% correct (as can be seen in the table above). This means that the questions asked result in answers that will correctly identify magical folks from non-magical ones.

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